

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled) A method for analysing body fluids, in which a fluid is accessed for analysis via an access means implanted in the body.
2. (Canceled) The method as set forth in claim 1, wherein access is provided via a permanently implanted device for administering medicaments.
3. (Canceled) The method as set forth in claim 1, wherein access is provided via a port body implanted in the skin, including a tube arrangement extending into the interior of the body.
4. (Canceled) The method as set forth in claim 1, wherein a test sensor is inserted into the interior of the body via said access means for detecting the concentration and/or existence of substances.
5. (Canceled) The method as set forth in claim 4, wherein said test sensor remains at a test site in the interior of the body for continuous testing, said test sensor being inserted via said access means.
6. (Canceled) The method as set forth in claim 1, wherein a body fluid is withdrawn from the interior of the body via said access means and analysed at a location remote from the point of withdrawal.
7. (Canceled) The method as set forth in claim 3, wherein a body fluid is analysed by means of a sensor while still in the body, preferably at an intermediate site of said tube arrangement, said body fluid being aspirated towards this site.

8. (Canceled) The method as set forth in claim 1, wherein a body fluid is analysed outside the body.

9. (Canceled) The method as set forth in claim 1, wherein the body fluids contain substances withdrawn by means of a microdialysis probe associated with said access means.

10. (previously presented) A device for detecting the concentration and/or existence of substances in body fluids of a living body, said device comprising:

a port body with an elastic self closing diaphragm for accessing the interior of the living body, said port body implantable in the skin of the living body; and

a tube extending from the port body into the interior of the living body, the port body and tube being adapted to allow a detection device to be guided through the tube into the interior of the living body.

11. (Canceled) The device as set forth in claim 10, wherein said access means is a permanently implantable device for administering medicaments and comprises a tube arrangement extending into the interior of the body.

12. (previously presented) The device as set forth in claim 10, wherein said detection device is a test sensor.

13. (previously presented) The device as set forth in claim 12, said port body further comprising a second tube extending from the port body into the interior of the living body, the port body and second tube being adapted to allow a catheter to be guided through the second tube into the interior of the living body.

14. (previously presented) The device as set forth in claim 10, wherein said detection device is a microdialysis probe via which substances in the body fluid may be withdrawn.

15. (previously amended) A device for detecting the existence of substances in body fluids of a living body, the device comprising:

a port body implanted in the skin of a living body, and comprising a shaft section to which a generally disc-shaped anchoring section is attached, said shaft section providing a generally hollow enclosure containing an elastic self-closing diaphragm, a feed tube and an aspiration tube extending away from said shaft section and into an interior region of the body, a feed catheter and an aspiration catheter received respectively in said feed tube and said aspiration tube.

16. (previously presented) A method of analyzing body fluids comprising the steps of:

providing a port member containing an elastic closing diaphragm for accessing the interior of a body, said port member implanted in the skin and comprising a feed tube and an aspiration tube extending away from said elastic closing diaphragm and into an interior region of the body; and

testing body fluids via said port member.

17. (previously presented) The method according to claim 16, further comprising routing a feed catheter into said feed tube and an aspiration catheter into said aspiration tube.

18. (Canceled) The method according to claim 17, wherein said port member provides for one of the partial or complete extraction of body fluids.

19. (Canceled) The method as set forth in claim 3, wherein said port body is anchored in or under the skin via an anchor, said anchor being implanted in or under the skin, and holding said port body in place.

20. (Canceled) The method as set forth in claim 19, wherein said anchor is generally disc shaped.

21. (previously presented) The device as set forth in claim 12, wherein said port body further comprises an anchor, wherein said anchor is implanted in or under the skin, and supports said port body.

22. (previously presented) The device as set forth in claim 21, wherein said anchor is generally disc shaped.

23. (previously presented) The method as set forth in claim 16, wherein said port body is supported in the body via an anchor, said anchor being implanted in or under the skin, and holding said port body in place.

24. (previously presented) The method as set forth in claim 23, wherein said anchor is generally disc shaped.

25. (Canceled) The device as set forth in claim 12, said tube arrangement further comprising an intermediate site for receiving the test sensor and for receiving body fluids aspirated toward said site.

26. (Canceled) A method for analysing body fluids, in which a body fluid is accessed for analysis via an implantable means for accessing the fluid, said means comprising a port body implanted in the skin, said port body comprising a tube arrangement extending into the interior of the body, wherein a test sensor is inserted into the interior of the body via said tube arrangement, and wherein a body fluid is analyzed by the sensor at an intermediate site of said tube arrangement, the body fluid being aspirated to said intermediate site.

27. (previously presented) A device for subject fluid analysis, the device comprising:

- (a) an elastic self closing diaphragm located in a port body implanted in the skin of a body;
- (b) a feed element associated with the self closing diaphragm, the feed element being suitable for delivery of a substance into a subject; and
- (c) an aspiration element associated with the self closing diaphragm, the aspiration element having a second distal end disposed opposite the elastic self closing diaphragm, wherein the aspiration element is suitable for accessing subject fluids.

28. (previously presented) The device of claim 27 further comprising an analysis element insertably associated with the aspiration element, the analysis element being suitable for analysis of the subject fluids.
29. (previously presented) The device of claim 28 wherein the analysis element is insertably disposed within the aspiration element.
30. (previously presented) The device of claim 29 wherein the analysis element is insertably disposed at a midpoint of the aspiration element.
31. (previously presented) The device of claim 28 wherein the analysis element is insertably disposed externally to the introduction element, the analysis element having been extended through the distal end of the aspiration element.
32. (previously presented) The device of claim 28 wherein the analysis element is a sensor.
33. (previously presented) The device of claim 28 wherein the analysis element is a probe.
34. (previously presented) The device of claim 27 further comprising a feed tube disposable within the elastic self closing diaphragm and the feed element, the feed tube being suitable for delivery of the substance into the subject.
35. (previously presented) The device of claim 34 wherein the feed tube is a catheter.
36. (previously added) The device of claim 27 further comprising an aspiration tube disposable within the elastic self closing diaphragm and the aspiration element, the aspiration tube being suitable for accessing the subject fluids.
37. (previously presented) The device of claim 36 wherein the aspiration tube is a catheter.

38. (previously presented) The device of claim 27 wherein the aspiration element is suitable for complete extraction of the subject fluids.

39. (previously presented) The device of claim 27 wherein the aspiration element is suitable for partial extraction of the subject fluids.

40. (previously presented) A method of analyzing subject fluids comprising the steps of:

- (a) accessing a site through an elastic self closing diaphragm associated with an introduction element and contained within a port body implanted in the skin of a living body;
- (b) analyzing the subject fluids via a first tube disposable within the elastic self closing diaphragm and the introduction element.

41. (Canceled) The method of claim 40 wherein the step of accessing a site further comprises the substep of implanting the elastic self closing diaphragm and the introduction element into the site.

42. (previously presented) The method of claim 40 further comprising the step of delivering a substance into the site via the introduction element.

43. (previously presented) The method of claim 42 wherein the substance is delivered via a second tube disposable within the elastic self closing diaphragm and the introduction element.

44. (previously presented) The method of claim 42 further comprising the step of extracting the subject fluids via the introduction element.

45. (previously presented) The method of claim 44 wherein the subject fluids are extracted via the first tube.

46. (previously presented) The method of claim 40 further comprising the step of extracting the subject fluids via the introduction element.

47. (previously presented) The method of claim 46 wherein the subject fluids are extracted via the first tube.

48. (previously presented) The method of claim 40 further comprising the step of inserting an analysis element via the introduction element.

49. (previously presented) The method of claim 48 further comprising the substep of inserting the analysis element to a midpoint of the introduction element.

50. (previously presented) The method of claim 48 further comprising the substep of inserting the analysis element to a distal end of the introduction element.

51. (previously presented) The method of claim 48 further comprising the substep of inserting the analysis element via the introduction element into the site, the analysis element being disposed externally to the introduction element.

52. (previously presented) The method of claim 48 wherein the analysis element is a sensor.

53. (previously presented) The method of claim 48 wherein the analysis element is a probe.

54. (previously presented) A method of analyzing subject fluids and providing substances to the subject fluids comprising the steps of:

- (a) accessing a site through an elastic self closing diaphragm implanted in the skin of a living body;
- (b) delivering a substance to the site via a feed element associated with the elastic self closing diaphragm; and
- (c) analyzing the subject fluids via an aspiration element associated with the elastic self closing diaphragm.

55. (Canceled) The method of claim 54 further comprising the step of accessing the site further comprises the substep of implanting the elastic self closing diaphragm into the site.

56. (previously presented) The method of claim 54 further comprising the step of extracting the subject fluids via the aspiration element.

57. (previously presented) The method of claim 54 further comprising the step of inserting an analysis element via the aspiration element.

58. (previously presented) The method of claim 57 further comprising the substep of inserting the analysis element to a midpoint of the aspiration element.

59. (previously presented) The method of claim 57 further comprising the substep of inserting to a distal end of the aspiration element.

60. (previously presented) The method of claim 57 further comprising the substep of inserting the analysis element via the aspiration element into the site, the analysis element being disposed externally to the aspiration element.

61. (previously presented) The method of claim 57 wherein the analysis element is a sensor.

62. (previously presented) The method of claim 57 wherein the analysis element is a probe.